

Purchase Order Receipt Listing

Thursday, May 18, 2017 3:12:00 PM

All Vendors PO ID PO36206 Receipt Dates from 5/10/2017 to 5/10/2017 All Line Item Types
 All Item ID/GL/WOs All Rec. Employees All Currencies
 Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line	Project ID	Reference/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
PO36206 CAD	1 No	VC-MET002	Metaux Solutions	M304B0.250x0.500 f 304 BAR 250 x .500 f m137512	5/19/2017 120.0000	5/10/2017 PLOU01	124.2000	\$3.11 \$386.39	0.0000 0.0000	0 0	\$386.39
	2 No			M4130NR0.375 .375"OF 4130 steel RD bar f .375" m137512	5/19/2017 12.0000	5/10/2017 PLOU01	12.0000	\$10.91 \$130.88	0.0000 0.0000	0 0	\$130.88
	4 No	71401-45 PROCUREMENT QUALITY CLAUSES m137512			5/19/2017 1.0000	5/10/2017 PLOU01	1.0000	\$0.00 \$0.00	0.0000 0.0000	0 0	\$0.00

Total Received Quantity: 137.2000
 Total Qty to Inspect (PO U/M): 0.0000
 Total Reject Quantity: 0.0000
 Total Receipt Value: \$517.27
 Total Balance Due Quantity: 0.0000

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 *Tel.* : 450 641-3330

Shipping Order 11/05/2017

Order : 125310
Reference : 36206
Ship : PICK UP / PICK UP

Customer : 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel. : 1 613 632-3336

<i>Item No.</i>	<i>Description</i>	<i>Qty</i>	<i>Qty. Deliver</i>	<i>B/O Qty</i>
SF14124HR	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 304 STAIN FLA .25" X .500" HR 10 X 12.42' HT;56900658	124.2	<u>124.2</u>	<u>0</u>
MR384130	4130 .375 DIAM 1 X 12' HT;183052	12	<u>12</u>	<u>0</u>

SHIP JOURNEY COLLECT
JP

5/7-5-18

Shipping : _____
Package No. : _____
Merchandise Received : _____

Ref. : _____



Métaux Solutions

L'alliage de qualité et de rapidité !

2625, Boul. Jacques-Cartier Est
Longueuil (Québec) J4N 1L7

info@metauxsolutions.com
T 450 641-3330
Ext : 1-800-967-2003

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7
Canada

18 Novembre 2016

Description: 4130 CF NORM AQ BAR AMS 6348
3/8 RD X 12' R/L Line Total: 12 LB
HEAT: 183052 ITEM: 507780

Specifications:

MIL S 6758 B	AMS 2301 K	AMS 6348 C
AMS 6370 N.	AMS S 6758 A	ASTM A108 13
ASTM A304 11	ASTM A322 13	ASTM A751 14
ASTM A29/A29M 12E1	ASTM A331 95 00	MIC 2016 12
EN 10204 3.1 04	ASTM A255 10	ASTM E45 METHOD A 13
ASTM E10 15	ASTM E384 99	ASTM E112 13
ASTM E381 06	ASTM E709 14	

CHEMICAL ANALYSIS

C	MN	SI	P	S	CR	NI	MO
0.29	0.46	0.25	0.012	0.003	0.85	0.13	0.16
CU	AL						
0.16	0.004						

RCPT: R877203

COUNTRY OF ORIGIN : SPAIN

MECHANICAL PROPERTIES

DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED IN AREA	HARDNESS BHN
					219

Description: 4130 CF NORM AQ BAR AMS 6348
3/8 RD X 12' R/L

HEAT: 183052 ITEM: 507780 Line Total: 12 LB

END-QUENCH HARDENABILITY (JOMINY - RC)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
51	51	50	49	48	45	43	41	38	37	34	33	33	32	31
16	18	20	22	24	26	28	30	32						
31	31	31	31	30	30	29	28	26						

GRAIN SIZE : 7

CLEANLINESS

	A		B		C		D	
	THIN MAX	THICK MAX	THIN MAX	THICK MAX	THIN MAX	THICK MAX	THIN MAX	THICK MAX
e45	0.5	0.0	1.0	0.0	0.0	0.0	0.5	0.0

STRAND CAST REDUCTION RATIO 305.89999 TO 1 VACUUM DEGASSED
MATERIAL IS FREE FROM MERCURY CONTAMINATION

NO WELD REPAIR PERFORMED ON MATERIAL

DECARB: OK

MACRO: OK

MICRO1: OK

AMS NO :0000

SEVERITY :0.1

FREQUENCY:0.1

ITEM: 1X 12'

REF: 34360

 BOLLINGHAUS STEEL Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458		Abnahmeprotokoll/Mill Test Certificate/Certificado de Qualidade EN 10204:2004 / 3.1 Unsere Innere Verweisung / Our Int. Ref. / N. ref Int 5600031591 000040						Nr. / I-Nr. / Nr.: 0000119911						
								Datum / Date / Data 26.09.2016						
Normen / Standards / Normas														
TYPE 304/UNS S30400 and TYPE 304L/UNS S30403 acc. to ASTM A479/A479M-16, A278/A276M-16a, SAE-AMS-QQ-S 763D, AMS5639H, AMS5647J, ASME SA479/SA479M, ASME SA278, ASTM A182/A182M-16a F304/304L, A193/A193M-16 CL. 1Gr.B8, ASTM A314-16, ASTM A320/A320M-16a, DOD-F24069/6, ASME SA182/SA182M, ASME SA 193/SA193M, ASME SA320 CL. 1Gr.B8, ASTM A262-15 Practice E, grain size as per ASTM E112, NACE MR 0175, Mercury free statement, not weld repair statement, contents of N, Co, Mo and Cu., in hot rolled, solution annealed, pickled, straightened execution as per ASTM A494/A494M-16														
Kunde / Customer / Cliente					Endgültiger Kunde / Final Customer / Cliente Final									
Bestell Nr./Order Nr./Enc. Nr. C105024					Bestell Nr./Order Nr./Enc. Nr. C105024.01									
Produktgruppe / Product Group / Grupo Produto AISI 304/L FLAT 1/4 X 1/2"					Gewicht / Weight / Peso 1.059 lb			Bunde / Bundle / Atados 01						
Werkstoff-Nr. Material-no. Qualidade 1.4307			Werkstoff-Normbezeichnung / Material standard grade / Norma do material X 2 CrNi 18-9											
Beschreibung / Description / Descrição														
Stahlloses Edelstahlblech, hot rolled, solution annealed, straightened, pickled. US-DRAR 252.225-7009, MELT SOURCE: United Kingdom / MFG: Portugal.														
Chemische Analyse in % / Chemical composition in % / Análise química em %														
56900658 40B2619.01/01	C	0.030	Si	0.228	Mn	1.830	P	0.030	S	0.026	Cr	18.100	Ni	8.100
EAF+AOD	Mo	0.430	Co	0.205	Cu	0.298	N	0.084	Ti	0.003	Nb	0.021	Al	0.006
Produkt-Nr. Test no. Abhofs-Nr. 40B2619.01/01	ASTM E399			ASTM A370										
	Kerbschlagarbeit Impact Test Resiliéncia (Charpy V)			Streckgrenze Yield point Tensão limite Rp 0.2 %	Dehngrenze 1% point Límite de extensão Rp 1.0%	Zugfestigkeit Tensile strength Tensão de rotação Rm	Dehnung Elongation Alongamento		Einschmelzung Reduction of area Coef. Estrição					
	[J]			[Ksi]	[Ksi]	[Ksi]	[%]		[%]					
47.1			54.5	93.5	56.1	59.3		72.9						
ASTM E10														
Visuelle Kontrolle Visual inspection Inspeção visual Mankontrolle Dimensional inspection Inspeção dimensional	<input checked="" type="checkbox"/> Ok	Härte Hardness Dureza	190		ASTM A262 Practice E Konstanzfestigkeits IC Test Controle Interstitials	<input checked="" type="checkbox"/> Ok	Wärmebehandlung Heat treatment Tratamento térmico							
ASTM A484	<input checked="" type="checkbox"/> Ok	ASTM E112	Komgrösse Grain size Tamanho de grão		Werkstoffverständiger Quality Control Representative Inspector da Qualidade	Annealed Quenched 1900 °F (1050 °C) (Water quenched)								
Verwechslungsprüfung Test of identity Teste de identificação	<input checked="" type="checkbox"/> Ok	Makroskopische Untersuchung Macrographic test	Material free from segregation defects		<input checked="" type="checkbox"/> Ok	Nuno Silva (N. NS)								
Bemerkungen / Remarks / Observações														
Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.														
Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according to the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.														

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304R0.250X500
 DATE: MAY 19 2017

PO / BATCH NO.: 0036006/M137512

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 124
 QUANTITY INSPECTED: 124
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .250
 THICKNESS RECEIVED: .250
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL PER M-DRAWING	Y	N	Astm A276
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT REF # TO LINK CERT	Y	N	HF # 56900658
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u>	SIGNED OFF BY: _____
DATE: <u>MAY 19 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M413CNR0.375
 DATE: MAY 19 2017

PO / BATCH NO.: PO36209M137512

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12
 QUANTITY INSPECTED: 12
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .375
 THICKNESS RECEIVED: .370
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> <input type="checkbox"/> N	<i>Ans 6348</i>
CORRECT THICKNESS	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	<i>HTEF 183052</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u>	SIGNED OFF BY: _____
DATE: <u>MAY 19 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36206**

Purchase Order Date 5/5/2017 10:58:05 AM
PO Print Date 5/5/2017

Page Number 1 of 2

Order From : METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIER EST
LONGUEUIL, QC J4N 1L7
CA

VC-MET002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED
MAY 05 2017

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	800 558 8858	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	Journey Freight collect	Currency	CAD
Ship Acct:		FOB	Destination-Collect

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
				Promise Date			
1	M304B0.250x0.500	304 BAR .250 x .500	5/10/2017 Yes 5/10/2017		120.00 f	\$4.25	\$510.00
		MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS AS PER ASTM A276 OR ASTM A240			124.2.		
		NOTE: AISI 303 NOT ACCEPTABLE			Net		
						Line Total:	\$510.00
2	M4130NR0.375	4130 steel RD bar .375"	5/10/2017 Yes 5/10/2017		12.00 f	\$14.90	\$178.80
		MATERIAL: AS PER AISI 4130N ROUND BAR PER MIL-S-6758 OR AMS 6348/6370/6528			18.	Line Total:	\$178.80

PO Instructions: BID 22826

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36206**

Purchase Order Date 5/5/2017 10:58:05 AM
PO Print Date 5/5/2017

Page Number 2 of 2

Order From : VC-MET002

METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIIER EST
LONGUEUIL, QC J4N 1L7
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 800 558 8858

Buyer Chantal Lavoie

Ship To Contact

Ship To Phone

Ship Via: Journey Freight collect

Customer POID

10127-2607

Customer Tax #

Net 30

Terms

Currency

CAD

FOB

Destination-Collect

Ship Acct:

4	71401-45	PROCUREMENT QUALITY CLAUSES	5/10/2017	1.00	\$0.00	\$0.00
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Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

5/10/2017
No
5/10/2017

5/10/2017

Line Total: \$0.00

PO Total: \$688.80

PO Instructions: BID 22826

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 5/5/2017